

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-486-1
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1992 model-year Ford Motor Company exhaust emission control systems are certified as described below for light-duty trucks and medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: NFM4.9T5HGL6 Displacement: 4.9 Liters (300 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

- Three-Way Catalyst
- Oxidation Catalyst
- Secondary Air Injection
- Heated Oxygen Sensor
- Exhaust Gas Recirculation
- Multipoint Electronic Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Non-Methane Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751-5750	0.50	9.0	1.0

The following are the certification emission values for this engine family:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751-5750	0.22	4.3	0.6

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executive Order A-10-486 signed July 1, 1991 is superseded by Executive Order A-10-486-1.

Executed at El Monte, California this 25th day of July, 1991.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

FORD LIGHT-DUTY TRUCKS

C	= CLUB
K	= CAB
L	= LONG BED <i>8 FT</i>
R	= REGULAR
S (1ST CHARACTER)	= SUPER
S (3RD CHARACTER)	= SHORT BED <i>6 FT</i>
V	= VAN
W	= WAGON

EXAMPLES:

RKL MEANS REGULAR CAB, LONG BED
SKS MEANS SUPER CAB, SHORT BED
CWL MEANS CLUB WAGON, LONG CHASSIS

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer FORD MOTOR COMPANY Eng. Family NFM4.9T5HGL6

Pass Cars Lt-Duty Trucks X Med-Duty Vehicles X Fuel Type Gasoline

Engine Config: I-6 Liter (CID) 4.9L (300) Evap. Family: HM

Exhaust ECS & Special Features: TWC, OC, AIR, HO2S, EGR, MPI
(Use abbreviations per SAE J1930 Jun88)

Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT X

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9F483-	Catalyst Part No. -5F250-
251RROON	F150 RKL 4X4	M-RE390	4750	*	F2TF-AUA	E8TE-CA	FOTA-SA
251RROON	RKS		4500				
251RROOA	RKL		4750				
251RROOA	RKS		4500				
251RROON	SKL		5000				
251RROON	SKS		5000				
251RROOA	SKL		5000				
251RROOA	SKS		5000				
251RROON	F250 SKL 4x2		4750				
251RROOA	SKS		4750				
251RROON	BRONCO 4x4	M-FD632	5000				F1TA-DA
251RROOA	BRONCO 4x4		5000				
251RROON	F150 RKL 4x2		4500				FOTA-SA
251RROON	RKS		4500				
251RROOA	RKL		4500				
251RROOA	RKS		4500				
251RROOA	SKL		4750				
251RROON	SKS		4250				
251RROOA	SKL		5000				
251RROOA	SKS		4750				
251RROON	F150 RKL 4x4		4750				
251RROON	RKS		4500				
251RROOA	RKL		4750				
251RROOA	RKS		4500				
251RROON	SKL		5000				
251RROON	SKS		5000				
251RROOA	SKL		5250				
251RROOA	SKS		5000				
251RROON	F250 RKL 4x2		4750				
251RROOA	RKL		4750				

* See DPA chart, section 20.09.10.02.

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer FORD MOTOR COMPANY Eng. Family NFM4.9T5HGL6

Pass Cars ___ Lt-Duty Trucks X Med-Duty Vehicles X Fuel Type Gasoline

Engine Config: I-6 Liter (CID) 4.9L (300) Evap. Family: HM

Exhaust ECS & Special Features: TWC, OC, AIR, HO2S, EGR, MPI
(Use abbreviations per SAE J1930 Jun88)

Engine: Front X Mid. ___ Rear ___ Drive: FWD ___ RWD X 4WD-FT ___ 4WD-PT X

Eng. Code/ (Gert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9F483-	Catalyst Part No. -5F250-
252SR00N	BRONCO 4x4	A-DEA	5000	*	F2TF-AYA	E8TE-DA	F1TA-DA
252SR00A	BRONCO 4x4		5000				
252QR00N	E150 RVL 4x2		4500		F2TF-UA		FOUF-TA
252QR00A			5000				
252QR00N	E150 CWL		5250				
252QR00A			5500				
252QR00N	E250 RVL		5250				
252QR00A			5250				
252QR00N	E250 SVL		5500				
252QR00A			5500				
252RR00N	F150 RKL		4500		E2TF-AVA		FOTA-SA
252SR00N	RKS		4500		F2TF-AYA		
252RR00A	F150 RKL		4500		E2TF-AVA		
252SRO0A	RKS		4500		F2TF-AYA		
252RR00N	SKL		5000		E2TF-AVA		
252RR00N	SKS		4750				
252RR00A	SKL		5000				
252RR00A	SKS		4750				
252RR00N	F150 RKL 4x4		4750				
252SR00N	RKS		4500		F2TF-AYA		
252RR00A	RKL		5000		E2TF-AVA		
252SRO0A	RKS		4750		F2TF-AYA		
252RR00N	F250 RKL 4x2		4750				
252RR00A	RKL		5000				
251RR00N	BRONCO 4x4	M-RE390	5000		F2TF-AUA	E8TE-CA	F1TA-DA
251RR00A	BRONCO 4x4		5000				
251RR00N	F150 RKL 4x2		4500				FOTF-SA
251RR00N	RKS		4250				
251RR00A	RKL		4500				
251RR00A	RKS		4500				
251RR00N	SKL		4750				
251RR00N	SKS		4750				
251RR00A	SKL		4750				
251RR00A	SKS		4750				

* See DPA chart, section 20.09.17.02.

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETManufacturer FORD MOTOR COMPANY Eng. Family MF4.9T5HGL6Pass Cars___ Lt-Duty Trucks X Med-Duty Vehicles___ Fuel Type GasolineEngine Config: I-6 Liter (CID) 4.9L (300) Evap. Family: HMExhaust ECS & Special Features: TWC, OC, AIR, HO2S, EGR, MPI
(Use abbreviations per SAE J1930 Jun88)Engine: Front X Mid. ___ Rear ___ Drive: FWD ___ RWD X 4WD-FT ___ 4WD-PT X

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP	Ign. Sys. (PCME/PROM) Part No.	EGR Syst. Part No	Catalyst Part No.
252SR00N 252SR00A 251RR00N 251RR00A 251RR00N 251RR00A	F150 RKS 4x2	A-DEA M-RE390	4500 4500 4250 4500 4500 4500	*	F2TF-AYA F2TF-AUA alt F2TF-AUB	E8TE-DA E8TE-CA	FOTA-SA -5F250-

* See PA chart, section 20.09.17.02.

ENGINE FAMILY: N4.9TGL

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R/C 4.9-106

ISSUED: 12-04-91

REVISED:

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETManufacturer FORD MOTOR COMPANY Eng. Family MFM4.9T5HGL6Pass Cars Lt-Duty Trucks X Med-Duty Vehicles Fuel Type GasolineEngine Config: I-6 Liter (CID) 4.9L (300) Evap. Family: HMExhaust ECS & Special Features: TWC+OC, AIR, HO2S, EGR, MPI
(Use abbreviations per SAE J1930 Jun88)Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT X

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9F483-	Catalyst Part No. -5F250-
252QROON	E150 RVL 4x2	A-DEA	5000	*	F2TF-UA	E8TE-DA	FOUA-TA
252QROON	CWL		5500		alt: F2TF-UB	alt:	
252RR00A	F150 RKL 4x2		4750		F2TF-AVA	F2TE-CA	FOTA-SA
252RR00A	SKS		5000		alt F2TF-AVB		
252SROON	RKS 4X4		4750		F2TF-AYA/AYB		
251RROOA	SKL 4x2	M-RE	5000		F2TF-AUA		
251RROOA	SKL 4x4		5250		alt F2TF-AUB		
251RROON	SKL 4x2	M-FD	5000				
251RROOA	RKS 4x4		4750				
251RROON	SKL		5250				

* See PA chart, section 20.09.17.02.

Engine Family: N4.9TGL

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R/C 4.9-110

ISSUED: 4-10-92

REVISED:

VEHICLE LINE	ETW LIMIT	CDT	NON A/C DPA	TRLHP	CDT	A/C DPA	TRLHP
F-150 4X2	4250	13.23	14.6(EPA)	19.80	12.33	16.0(EPA)	21.25
TRANS: ACD	4500	14.01	14.6(MA)	19.80	13.06	16.0(MA)	21.25
	4750	14.44	14.6(ADJ)	20.28	13.27	16.0(ADJ)	22.06
	5000	15.20	14.6(MA)	20.28	13.97	16.0(MA)	22.06
TRANS: E4CD	4250	12.92	14.3(ADJ)	20.28	12.14	15.7(ADJ)	21.58
	4500	13.68	14.1(MA)	20.28	12.86	15.5(MA)	21.58
	4750	14.44	14.1(C)	20.28	13.57	15.5(C)	21.58
	5000	15.20	14.1(MA)	20.28	14.28	15.5(MA)	21.58
TRANS: M4 MANUAL	4250	13.91	14.9(C)	18.83	12.98	16.3(C)	20.18
	4500	14.73	14.9(MA)	18.83	13.74	16.3(MA)	20.18
	4750	15.15	14.9(ADJ)	19.33	14.31	16.3(ADJ)	20.46
	5000	15.95	14.9(MA)	19.33	15.06	16.3(MA)	20.46
TRANS: M50D MANUAL	4250	13.62	14.5(C)	19.23	12.80	15.9(MA)	20.47
	4500	14.42	14.5(MA)	19.23	13.55	15.9(MA)	20.47
	4750	14.67	14.5(C)	19.96	13.77	15.9(C)	21.26
	5000	15.44	14.5(MA)	19.96	14.49	15.9(MA)	21.26
F-150 4X4	4500	12.76	15.3(MA)	21.74	11.95	16.7(MA)	23.22
AUTO TRANS. P235/75R15 TIRES	4750	13.47	15.3(C)	21.74	12.61	16.7(C)	23.22
	5000	13.95	15.3(MA)	22.09	13.14	16.7(MA)	23.45
	5250	14.65	15.3(C)	22.09	13.80	16.7(C)	23.45
AUTO TRANS. 31 X 10.5 TIRES	4500	11.88	15.3(MA)	23.35	11.24	16.7(MA)	24.69
	4750	12.54	15.3(C)	23.35	11.86	16.7(C)	24.69
	5000	12.96	15.3(MA)	23.78	12.22	16.7(MA)	25.22
	5250	13.61	15.3(C)	23.78	12.83	16.7(C)	25.22
M50D MANUAL TRANS.	4500	13.08	15.6(MA)	21.21	12.52	17.0(MA)	22.16
	4750	13.80	15.6(MA)	21.21	13.21	17.0(MA)	22.16
	5000	14.53	15.6(C)	21.21	13.91	17.0(C)	22.16
	5250	15.26	15.6(MA)	21.21	14.61	17.0(MA)	22.16
M4 MANUAL TRANS.	4500	13.08	15.9(MA)	21.21	12.52	17.3(MA)	22.16
	4750	13.80	15.9(MA)	21.21	13.21	17.3(MA)	22.16
	5000	14.53	15.9(C)	21.21	13.91	17.3(C)	22.16
	5250	15.26	15.9(MA)	21.21	14.61	17.3(MA)	22.16
F-250 4X2	4500	14.38	14.6(MA)	19.29	13.63	16.0R(MA)	20.35
	4750	15.18	14.6(C)	19.29	14.39	16.0R(C)	20.35
	5000	15.98	14.6(MA)	19.29	15.15	16.0R(MA)	20.35
F-250 4X4	5000	13.16	16.9(C)	23.42	12.56	18.3R(C)	24.54
	5250	13.82	16.9(MA)	23.42	13.19	18.3R(MA)	24.54
BRONCO 4X4 P235/75R15 TIRES	5000	15.35	13.9(C)	20.08	14.53	15.3R(C)	21.21
	5250	16.12	13.9(MA)	20.08	15.26	15.3R(MA)	21.21
31.0 x 10.5 tires	5000	14.26	13.9(C)	21.61	13.51	15.3(E)	22.81
	5250	14.97	13.9(MA)	21.61	14.19	15.3(E)	22.81
ECONOLINE E-150 VAN/CLUB WAGON	4500	12.23	16.4(MA)	22.68	11.59	17.8(MA)	23.94
	4750	12.91	16.4(MA)	22.68	12.23	17.8(MA)	23.94
	5000	13.59	16.4(MA)	22.68	12.88	17.8(MA)	23.94
	5250	14.27	16.4(C)	22.68	13.52	17.8(C)	23.94
	5500	14.95	16.4(MA)	22.68	14.16	17.8(MA)	23.94
ECONOLINE E-250 VAN/SUPERVAN	4750	12.70	17.1(MA)	23.05	11.83	18.5(MA)	24.76
	5000	13.37	17.1(MA)	23.05	12.45	18.5(MA)	24.76
	5250	14.04	17.1(C)	23.05	13.07	18.5(C)	24.76
	5500	14.71	17.1(MA)	23.05	13.69	18.5(MA)	24.76

R = RADIAL TIRES (E) = ESTIMATED (RR) = REQUESTED REVISION
 B = BIAS TIRES (C) = CERTIFICATION TEST DATA (EPA) = EPA DATA
 (CB) = ESTIMATED COOKBOOK DATA (ADJ) = DPA ADJUST (HIGHER THAN CERT DPA)
 (MA) = MASS ADJUSTED CDT (CO) = CARRY OVER DATA

Engine Family: N4.9TGL

Issue Date	5-02-91	20.09.17.02-3
Revised		